

DOE CONDITION ASSESSMENT - WORK BREAKDOWN STRUCTURE UNIFORMAT II

FOUNDATIONS
A10

FOOTINGS
Spread
Strip
Grade Beam

WALLS

DAMP PROOFING
WATERPROOFING

EXCAVATION
BACKFILL

PILES
CAISSONS

A20
SUB-
STRUCTURE

SLABS
ON-GRADE

COLUMNS
CIP Concrete
Precast
Metal
Wood

COLUMN
FIREPROOFING

SUPER-
STRUCTURE
B10

BEAMS
Cast-in-Place
Precast
Concrete
Steel
Wood

PRE-ENG'RD
BUILDINGS
Metal
Wood

FLOORS
CIP Concrete
Precast
Concrete
Steel
Composite
Wood

ROOF
STRUCTURE
CIP
Concrete
Steel
Wood
Precast

FIRE-
PROOFING

STAIRS
CIP Concrete
Precast
Steel
Composite
Wood
Ladders

EXTERIOR
B20

WALLS
Concrete
Masonry
Stucco
Gunit
Stone/
Stone Veneer
w/Straw Bales

SIDING
Metal
Wood
Plastic

EXTERIOR
INSULATION
& FINISH
WALL

DOORS

WINDOWS
& GLAZED
WALLS
Windows
Glazed
Curtain Walls

PAINT
FINISHES /
COATINGS
Conventional
Special
Finishes

ROOFING
B30

BUILT-UP
MEMBRANE

SINGLE-PLY
MEMBRANE

METAL

COATED
FOAM
MEMBRANE

SHINGLES

TILES

PARAPETS

ROOF
SPECIALTIES,
HATCHES
SKYLIGHTS
DRAINAGE
GUNIT
CANOPIES

PAINT

FINISHES /
COATINGS
Conventional
Special
Finishes

WALL
COVERING
Coverings
Paneling
Tile

INTERIORS

INTERIOR
C10-PARTITIONS C30-INTERIOR

PARTITIONS
CONVENTIONAL
Concrete /
Masonry
Structural.
Tile
Drywall /
Plaster

PARTITIONS
SPECIALTY

TOILET
PARTITIONS &
ACCESSORIES
Doors
Cabinets
Fittings

C20
STAIRS

CIP Concrete
Precast
Steel
Composite
Wood
Ladders

CONVEYING
SYSTEMS
D10

ELEVATORS
Hydraulic
Elevator
Traction Elevator
Escalators

SPECIAL
Pneumatic
Tube
Systems
Hoists and Cranes

D20
PLUMBING
SYSTEMS

PLUMBING
Domestic
Water
Drain, Waste
& Vent
Compressed
Air
Vacuum
Natural Gas

SPECIAL
SYSTEMS
Drinking
Water
SYSTEMS

SERVICES

MECHANICAL
SYSTEMS
D30

HVAC
All Inclusive

COOLING
Centrifugal
Chillers
Absorption
Chillers
Packaged
Reciprocation
Chillers
Packaged
Condensing Unit
Packaged HVAC
Refrigeration
Compressors
Condenser
Cooling Towers
Chilled Water
Distribution
Condenser Water
Chemical
Water Treatment
Terminal Cooling
Units

HEATING &
VENTILATING
Fuel Oil
Boilers
Hot Air
Furnaces
Hot
Water Distribution
Steam Distribution
& Condensate
Return
Chemical Treatment
Terminal Units
Air Handlers
& Fans
Ductwork

RENEWAB LE
Fuel Cells
Solar Energy
Wind Energy
Energy Efficiency

FIRE
PROTECTION
D40

FIRE PROTECTION
Wet Pipe
Sprinkler
Dry Pipe
Sprinkler
Standpipe
Halon Fire
Suppression
CO2 Fire
Suppression

D50
ELECTRICAL
SYSTEMS

SERVICE &
DISTRIBUTION
Service Entrance
Low Voltage
Distribution
Medium Voltage
Distribution

LIGHTING
Luminaries

SPECIAL
SYSTEMS
Cable Trays
Communication
Circuits
Control Units
Data Proc.
Elec. Equip.
Generators/
Standby Equip.
Standby+Emergency
Health Care Fac.
Elec. Equip.
Heating
Baseboard Rad.
Lightning Prot. &
Surge Supp.
Petrol. Disp.Fac.
Signal Circuits
Uninterruptible
Power Supplies

SPEC. CONST.

SPECIALTY
SYSTEMS
F10

CANOPIES

LOADING
DOCKS

TANKS
Elevated
Buried
Ground Level

DOMES
BULK
STORAGE,
METAL
FRAMING

LOUVERS
& VENTS

ACCESS
FLOORS

INTEGRATED
CEILINGS

MEZZANINE
STRUCTURES

WASTE
HANDLING

F20
SPECIALTY
CONSTR.
DEMO

DEMOLITION
Building Elements
Electrical
Hazardous
Components
Abatement

SITEWORK

PREPARATION
G10

UTIL DIST
MECHANICAL
G30

UTIL DIST
ELECTRICAL
G40

SITE
G90

PREPARATION
Clearing
Demolition
Earthwork
Haz Waste
Remediation

G20
SITE
IMPROVEMENTS

Road and Walks
Parking
Roads
Walks

LANDSCAPING

FLAGPOLES

SIGNAGE

COOLING
Rotary
Screw
Chillers
Chilled
Water
Distribution
System

UTILITY
DISTRIBUTION
SYSTEMS
PLUMBING
Water
Treatment
Plant
Water
Distribution
System
Sewage &
Drainage
Collection Systems
Wastewater
Treatment
Plant
Gas Distribution
System
HEATING
Fuel Oil
Storage &
Distribution
Coal
Handling Sys
High Temperature
Water
Distribution
Steam
Distribution &
Condensate
Boilers

STORM SEWER
Well Systems
Headwalls &
Catchbasins

UNDERGROUND
TRANSPORT

ELECTRICAL
Switchyards
Substations
Overhead
Transmission
System
Underground
Transmission
System
Lighting
Communications/
Security

UTILITY
DISTRIBUTION
INFRA
Steel Towers
& Poles
Precast
Concrete
Poles
Wood
Poles
Tower & Pole
Foundations
Utility Service
Tunnels
Utility Service
Tunnels -
Damp proofing /
Waterproofing
Concrete
Support Pads

TUNNELS

RAILWAYS
& ROLLING
STOCK
Trackwork
Signals &
Comm.

FOUNTAINS
& POOLS

SECURITY
GATES &
FENCES

BRIDGES &
ABUTMENTS

Civil / Structural / Roof

Electrical

Mechanical

SHADING CAS INSPECTOR TYPE

1-May-09